

APPENDIX A

13. A method for identifying a compound which modulates the activity of MSH5, comprising:
- a) contacting MSH5 with a test compound; and
 - b) determining the effect of the test compound on the activity of MSH5 to, thereby, identify a compound which modulates MSH5 activity.
14. The method of claim 13, wherein said compound inhibits the activity of MSH5.
22. The method of claim 14, wherein said compound is a contraceptive agent.
23. The method of claim 13, wherein said compound is capable of modulating MSH5 expression.
24. The method of claim 23, wherein said compound is an antisense MSH5 nucleic acid molecule.
25. The method of claim 13, wherein said compound is a small molecule.
26. The method of claim 13, wherein said compound is an MSH5 antibody.
27. The method of claim 13, wherein said compound is a peptide.
28. The method of claim 13, wherein said compound is a peptidomimetic.
29. The method of claim 13, wherein said compound has an effect on an MSH5 substrate.

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